

**ABSTRACT**

The invention discloses methods, compositions and kits for stabilizing a solubilized phenyl phosphate, preferably paranitrophenyl phosphate (PNPP), using 5 charcoal. Also disclosed are methods, compositions and kits for recycling solubilized phenyl phosphate, preferably PNPP, that has an absorbance of less than 0.1 when measured at 405 nm due to non-enzymatic hydrolysis.